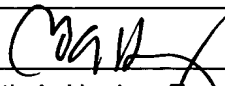


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h1 style="text-align: center;">TRANSMITTAL FORM</h1> <p style="text-align: center;">(to be used for all correspondence after initial filing)</p>	Application Number	10/031841-Conf. #5745
	Filing Date	January 22, 2002
	First Named Inventor	Douglas FRASER
	Art Unit	N/A
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	Attorney Docket Number	KNI-004CPUS

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Copy of Notification of Defective Response (5 pages) Statement to Support Filing and Submission in Accordance with 37 C.F.R. §§ 1.821-1.825 and paper copy of sequence listing (11 pages) Second Preliminary Amendment (25 pages) Return Receipt Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	LAHIVE & COCKFIELD, LLP		
Signature			
Printed name	Elizabeth A. Hanley, Esq		
Date	December 23, 2004	Reg. No.	33,505

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EL 981 584 692 US, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: December 23, 2004

Signature:  (Elizabeth A. Hanley)

10 Rec'd PCT 10 23 DEC 2004

Application No. (if known): 10/031841

Attorney Docket No.: KNI-004CPUS

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Elizabeth A. Hanley

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33,505

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Statement to Support Filing and Submission in Accordance  
With 37 C.F.R. §§ 1.821-1.825 with sequence listing (12 pages)  
Sequence Listing Diskette

10 Rev'd PCT

23 DEC

2004 Page 1 of 2



UNITED STATES PATENT AND TRADEMARK OFFICE

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UNITED STATES DEPARTMENT OF COMMERCE  
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 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.

10/031,841

FIRST NAMED APPLICANT

Douglas Clark Fraser

ATTY. DOCKET NO.

KNI-004CPUS

INTERNATIONAL APPLICATION NO.

PCT/EP0006921

I.A. FILING DATE

07/20/2000

PRIORITY DATE

07/22/1999

Elizabeth A. Hanley  
 Lahive & Cockfield  
 28 State Street  
 Boston, MA 02109

ENTERED

DOCKETED

DEC 23, 2004 Sequence Listing

NO EXT.

CONFIRMATION NO. 5745

371 FORMALITIES LETTER



\*OC000000014422517\*

Date Mailed: 11/23/2004

## NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Priority Document
- Copy of the International Application filed on 01/22/2002
- Copy of the International Search Report filed on 01/22/2002
- Copy of IPE Report filed on 01/22/2002
- Preliminary Amendments filed on 01/22/2002
- Biochemical Sequence Diskette filed on 05/28/2003
- Oath or Declaration filed on 01/22/2002
- Biochemical Sequence Listing filed on 01/22/2002
- Copy of references cited in ISR filed on 01/22/2002
- U.S. Basic National Fees filed on 01/22/2002
- Priority Documents filed on 01/22/2002

Applicant's response filed 05/28/2003 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 03/29/2002 have not been completed.

**Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).**

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
  - PLEASE SEE RAW SEQUENCE LISTING ERROR REPORT.
  - APPLICANT MUST PROVIDE:
    - An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an

amendment directing its entry into the specification.

- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
  - For Rules Interpretation, call (703) 308-4216
  - To Purchase PatentIn Software, call (703) 306-2600
  - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or [patin3help@uspto.gov](mailto:patin3help@uspto.gov)

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

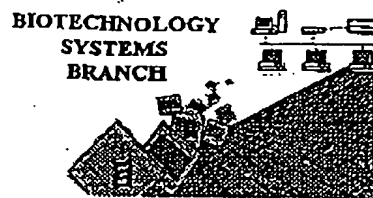
CHRISTINE S WASHINGTON

Telephone: (703) 305-3752

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/031,841	PCT/EP00/06921	KNI-004CPUS

FORM PCT/DO/EO/916 (371 Formalities Notice)

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/036,841  
Source: Perf/O  
Date Processed by STIC: 3/4/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/cbc/efs/downloads/documents.htm>> , EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

10 Rec'd PCT

23 DEC 2004



PCT

## RAW SEQUENCE LISTING

DATE: 03/04/2004

PATENT APPLICATION: US/10/031,841

TIME: 08:43:32

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\03042004\J031841.raw

3 <110> APPLICANT: Fraser, Douglas  
4 St. Gallay, Steven  
6 <120> TITLE OF INVENTION: Human Homologue of Bovine Neuroendocrine Secretory Protein,  
NESP55,  
7 Polynucleotides and Uses Thereof Linked With Obesity  
9 <130> FILE REFERENCE: KNI-004CPUS  
11 <140> CURRENT APPLICATION NUMBER: 10/031,841  
12 <141> CURRENT FILING DATE: 2002-01-22  
14 <150> PRIOR APPLICATION NUMBER: PCT/EP00/06921  
15 <151> PRIOR FILING DATE: 2002-07-20  
17 <150> PRIOR APPLICATION NUMBER: GB 9917165.4  
18 <151> PRIOR FILING DATE: 1999-07-22  
20 <160> NUMBER OF SEQ ID NOS: 14  
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

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175 <211> LENGTH: 7 8 shown below  
176 <212> TYPE: PRI  
177 <213> ORGANISM: Bovine Sp.  
179 <400> SEQUENCE: 4  
180 Gly Ala Ile Pro Ile Arg Arg His  
E--> 181 1 5

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/031,841

DATE: 03/04/2004

TIME: 08:43:33

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\03042004\J031841.raw

L:181 M:252 E: No. of Seq. differs, <211> LENGTH:Input:7 Found:8 SEQ:4  
L:261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
M:341 Repeated in SeqNo=11  
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
M:341 Repeated in SeqNo=12